

BUTTERFLIES FROM AN AREA BETWEEN THE BUNYA MOUNTAINS AND ARCHOOKOORA STATE FOREST, QUEENSLAND

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One hundred and fourteen species of butterflies have been collected or seen between 1969 and 1974 in the strip from Archookoora State Forest through Kumbia to the Bunya Mountains, of which the road distance is 37 kilometres (22 miles) (Fig. 1). The altitude varies from approximately 427 metres (1400 ft.) to 1128 metres (3700 ft.) and annual rainfall averages from 63.5 cm (25 in.) upwards. All collections have been made close to the road. I have not recorded months of occurrence for species where these are unavailable or of little interest. The nomenclature used follows that of Common and Waterhouse (1972).



FIG. 1. Map showing the road between Archookoora State Forest and Bunya Mountains, the area from which butterflies are here recorded.

List of species

Species	Months observed
HESPERIIDAE	
<i>Badamia exclamationis</i> (Fab.)	Jan.
<i>Chaetocneme beata</i> (Hew.)	Jan., Oct., Nov.
<i>Netrocoryne repanda repanda</i> C. & R. Feld.	Feb., Dec.
<i>Trapezites eliena</i> (Hew.)	Oct., Nov.
<i>Trapezites symmomus symmomus</i> Hubner	Nov.
<i>Trapezites petalia</i> (Hew.)	Oct., Nov.
<i>Anisynta tillyardi</i> Waterh. and Lyell	Jan.
<i>Dispar compacta</i> (Butl.)	Feb., Apr.
<i>Signeta tymbophora</i> (Meyrick & Lower)	Jan.
<i>Toxidia peron</i> (Latreille)	Mar., Sept., Nov.
<i>Toxidia parvula</i> (Plotz)	Mar.
<i>Toxidia doubledayi</i> (Feld.)	Sept., Dec.
<i>Toxidia rietmanni rietmanni</i> (Semp.)	Nov.
<i>Toxidia crypsigramma</i> (Meyrick & Lower)	Nov.
<i>Neohesperilla xanthomera</i> (Meyrick & Lower)	Oct.
<i>Hesperilla malindeva</i> Lower	Oct., Nov.
<i>Hesperilla ornata ornata</i> (Leach)	Sept., Oct.
<i>Taractrocera anisomorpha</i> (Lower)	Mar.
<i>Taractrocera papyria papyria</i> (Boisd.)	June, Aug.
<i>Ocybadistes flavovittatus flavovittatus</i> (Latreille)	Mar.
<i>Ocybadistes walkeri sothis</i> Waterh.	Mar., Nov.
<i>Telicota ancilla ancilla</i> (Herrich-Schaffer)	
PAPILIONIDAE	
<i>Protographium leosthenes leosthenes</i> (Doubleday)	Mar., Oct., Nov.
<i>Graphium macleayanum macleayanum</i> (Leach)	Feb., Nov.
<i>Graphium sarpedon choredon</i> (C. & R. Feld.)	
<i>Graphium eurypylus lycaon</i> (C. & R. Feld.)	
<i>Papilio anactus</i> W. S. Macleay	
<i>Papilio aegeus aegeus</i> Don.	
<i>Papilio fuscus capaneus</i> Westw.	Feb.
<i>Papilio demoleus sthenelus</i> W. S. Macleay	
<i>Cressida cressida cressida</i> (Fab.)	
PIERIDAE	
<i>Catopsilia pyranthe crokera</i> (W. S. Macleay)	
<i>Catopsilia pomona pomona</i> (Fab.) form <i>catilla</i>	
<i>Catopsilia pomona pomona</i> (Fab.) form <i>crocale</i>	
<i>Catopsilia gorgophone gorgophone</i> (Boisd.)	Jan., Feb.
<i>Eurema hecabe phoebus</i> (Butl.)	
<i>Eurema smilax</i> (Don.)	
<i>Eurema herla</i> (W. S. Macleay)	
<i>Eurema brigitta australis</i> (Wallace)	
<i>Elodina parthia</i> (Hew.)	

<i>Hypochrysops delicia delicia</i> Hew.	Oct. to Dec.
<i>Elodina angulipennis</i> (H. P. Lucas)	
<i>Elodina padusa</i> (Hew.)	Oct., Nov.
<i>Delias argenthona argenthona</i> (Fab.)	
<i>Delias nysa nysa</i> (Fab.)	Jan., Feb., Apr., Nov.
<i>Delias aganippe</i> (Don.)	Sept. to Nov.
<i>Delias nigrina</i> (Fab.)	
<i>Anaphaeis java teutonia</i> (Fab.)	
<i>Cepora perimale scyllara</i> (W. S. Macleay)	
<i>Appias paulina ega</i> (Boisd.)	Feb.
<i>Pieris rapae rapae</i> (L.)	
NYMPHALIDAE	
<i>Danaus plexippus plexippus</i> (L.)	
<i>Danaus chrysippus petilia</i> (Stoll)	
<i>Danaus hamatus hamatus</i> (W. S. Macleay)	
<i>Euploea core corinna</i> (W. S. Macleay)	
<i>Euploea tulliolus tulliolus</i> (Fab.)	Feb.
<i>Melantis leda bankia</i> (Fab.)	Jan.
<i>Hypocysta metirius</i> Butl.	
<i>Hypocysta pseudirius</i> Butl.	
<i>Hypocysta adiante adiante</i> (Hubner)	
<i>Geitoneura acantha acantha</i> (Don.)	Jan., Mar., Nov., Dec.
<i>Heteronympha merope merope</i> (Fab.)	Nov., Dec.
<i>Heteronympha mirifica</i> (Butl.)	Dec., Apr.
<i>Heteronympha banksii mariposa</i> Tindale	Mar., Apr.
<i>Ypthina arctoa arctoa</i> (Fab.)	
<i>Polyura pyrrhus sempronius</i> (Fab.)	
<i>Phaedyma shepherdii shepherdii</i> (Moore)	
<i>Doleschallia bisaltide australis</i> C. & R. Feld.	Jan.
<i>Hypolimnas bolina nerina</i> (Fab.)	
<i>Hypolimnas misippus</i> (L.)	Apr.
<i>Vanessa kershawi</i> (McCoy)	
<i>Vanessa itea</i> (Fab.)	
<i>Precis villida calybe</i> (Godart)	
<i>Precis orithya albicincta</i> (Butl.)	Feb.
<i>Acraea andromacha andromacha</i> (Fab.)	
LYCAENIDAE	
<i>Jalmenus evagoras evagoras</i> (Don.)	Oct. to Dec.
<i>Jalmenus ictinus</i> Hew.	Dec. to Feb.
<i>Jalmenus daemeli</i> Semp.	Oct., Dec.
<i>Ogyris genoveva duaringa</i> Bethune-Baker	Oct., Nov.
<i>Ogyris abrota</i> Westw. & Hew.	Nov., Dec.
<i>Ogyris olane ocela</i> Waterh.	Jan., Apr.
<i>Ogyris bamardi bamardi</i> Miskin	Jan. to May
<i>Ogyris oroetes</i> Hew.	Mar., Apr.
<i>Ogyris amaryllis meridionalis</i> Bethune-Baker	Jan., Mar., Apr.

<i>Hypochrysops cyane</i> (Waterh. & Lyell)	Oct.
<i>Pseudodipsas cuprea</i> Sands	Sept. to Dec., Apr.
<i>Pseudodipsas myrmecophila</i> Waterh. & Lyell	Oct.
<i>Paralucia pyrodiscus pyrodiscus</i> (Rosenstock)	Feb.
<i>Paralucia aurifera</i> (Blanch.)	Feb.
<i>Lucia limbaria</i> Swainson	Nov., Dec.
<i>Danis hymetus taygetus</i> (C. & R. Feld.)	
<i>Prosotas felderi</i> (Murray)	
<i>Nacaduba berenice berenice</i> (Herrich-Schaffer)	
<i>Nacaduba kurava parva</i> Waterh. & Lyell	Dec., Mar.
<i>Nacaduba biocellata biocellata</i> (C. & R. Feld.)	Aug. to Nov.
<i>Erysichton lineata lineata</i> (Murray)	Jan.
<i>Catopyrops florinda halys</i> (Waterh.)	Feb., Dec.
<i>Syntarucus plinius pseudocassius</i> (Murray)	Mar., June
<i>Theclinesstes scintillata</i> (T. P. Lucas)	Mar.
<i>Theclinesstes miskini</i> (T. P. Lucas)	Apr.
<i>Theclinesstes onycha onycha</i> (Hew.)	Jan., Sept.
<i>Lampides boeticus</i> (L.)	
<i>Euchrysops cnejus cnidus</i> Waterh. & Lyell	Feb.
<i>Everes lacturnus australis</i> Couchman	Feb.
<i>Neolucia serpentata serpentata</i> (Herrich-Schaffer)	Oct., Apr.
<i>Zizula hylax attenuata</i> (T. P. Lucas)	Dec.
<i>Zizina otis labradus</i> (Godart)	
<i>Zizeeria knysna karsandra</i> (Moore)	June
<i>Zizeeria alsulus alsulus</i> (Herrich-Schaffer)	Dec.
<i>Candalides absimilis</i> (Feld.)	Sept. to Nov.
<i>Candalides consimilis consimilis</i> Waterh.	Sept. to Jan.
<i>Candalides cyprotus pallescens</i> (Tite)	Sept., Nov.
<i>Candalides xanthospilos</i> (Hubner)	Feb., Nov.
<i>Candalides heathi heathi</i> (Cox)	Oct.
<i>Philiris innotata innotata</i> (Miskin)	Feb.

Comments

Chaetocneme beata was often found trapped by its proboscis in the flowers of white moth vine (*Araujia hortorum*), as were many other species of butterflies and moths. I have noted this butterfly hilltopping at dusk in an ironbark forest.

Toxidia rietmanni rietmanni is not known north of this area, the above capture being previously recorded in De Baar (1976).

Hypolimnas misippus was common during April, 1976 although apparently absent before this date and in other years.

Euploea tulliolus tulliolus. Two specimens were seen during very wet weather in February, 1971.

Heteronympha merope merope was generally uncommon but there were periods when occasional specimens could be seen flying in the same direction, about northwards.

Jalmenus evagoras evagoras collected on the Bunya Mountains tend towards an intermediate form between *evagoras* and *eubulus* Miskin.

Pseudodipsas cuprea flew on a dry ironbark-grasstree hilltop at 6-12 m among ironbark leaves. Males lack copper colouring but have some blue scales on their upper wing surfaces. This species has previously been recorded only as far north as Toowoomba (Common and Waterhouse, 1972).

Pseudodipsas myrmecophila. Three males were captured and two others missed, flying around a small low bush. There was an extreme fire warning at the time with a harsh dry wind blowing and a humidity of about 5%. These records establish a new locality for this rare species.

Paralucia pyrodiscus pyrodiscus and *Paralucia aurifera* flew together at a rain forest edge on the Bunya Mountains.

Philiris innotata innotata. I have collected only two females of this species during a very wet period during February, 1971.

In addition to those species listed a single female lycaenid, possibly a new species, has been taken. A fast flying azure seen may well prove to be *Ogyris ianthis* Waterh. and *Trapezites maheta maheta* (Hew.) has been collected within 30 kilometres and may well occur in the area.

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